

NEW SPECIES OF *NARATHURA* AND *DERAMAS* FROM MINDANAO (LEPIDOPTERA : LYCAENIDAE)

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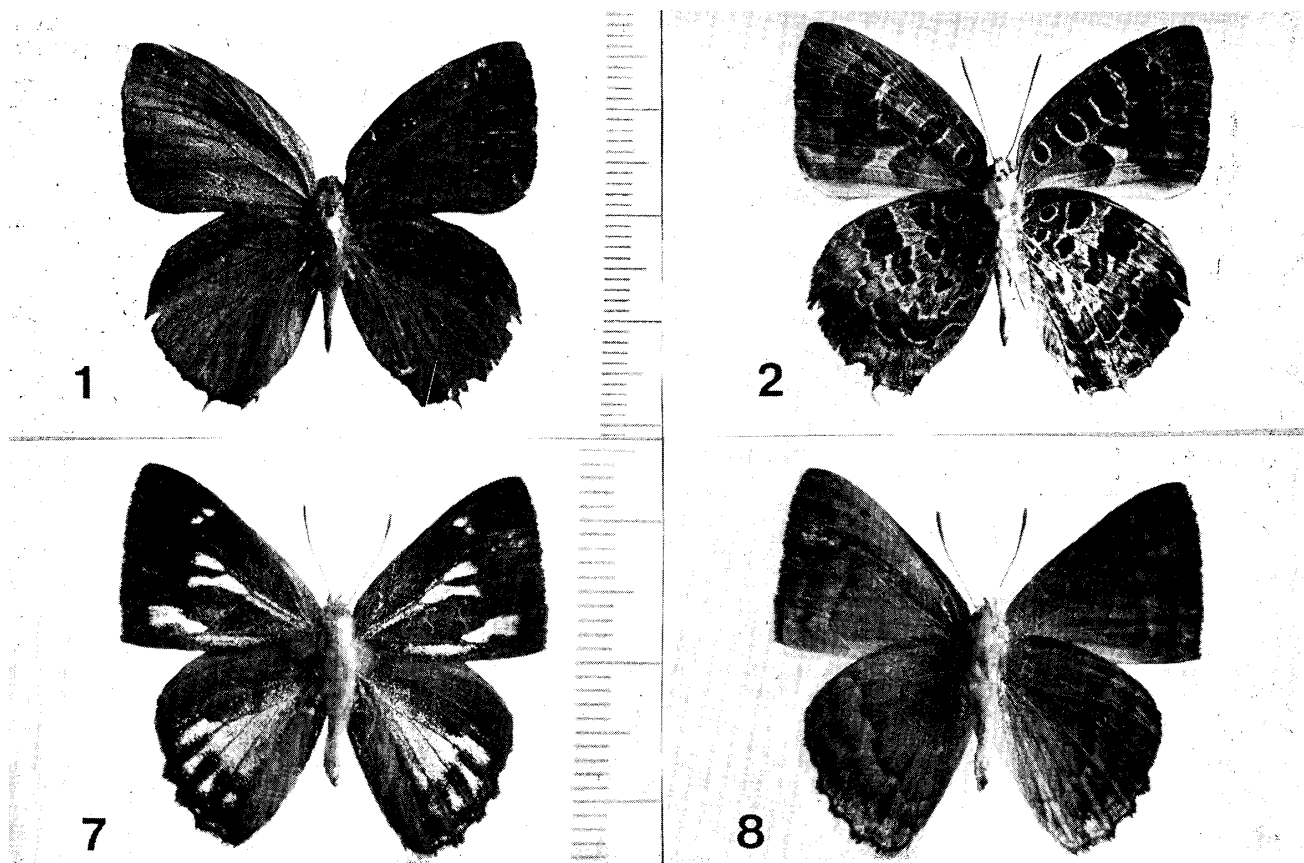
5-2, Tamatsukuri-honmachi, Tennôji-ku, OSAKA, 543 JAPAN

Narathura mizunumai H. Hayashi, sp. nov. (Figs. 1-6)

♂. Tailed. Upperside dull metallic green, with black border a thread. Underside brown, with powdered whitish scales on hindwing. Forewing spots large and very wide. Discal band broken at vein 4 and the upper part directed to the termen. Hindwing with the usual spot at base of space 8. Discal band broken at vein 6 and not completely dislocated at vein 2. Discal spot in space 6 outwardly concave.

Forewing length 22 mm.

Male genitalia: Brachia slightly curved, with sharp pointed tip and large basal portion. Valvae small, distal half divided into two processes, uppermost corner of the edge triangularly produced laterally. Phallus large, coecum moderate, distal portion of suprazonal portion bent upwards, more or less expanding apically to oblique opening which is narrowly edged with perivesical area in lateral aspect. Juxta very large, rather orbiculate with the margin well rounded,



Figs. 1, 2. *Narathura mizunumai* sp. nov., holotype ♂.

Figs. 7, 8. *Deramas tomokoae* sp. nov., holotype ♂.

median portion of posterior margin slightly incised, lateral corners exceedingly produced anteriorly.

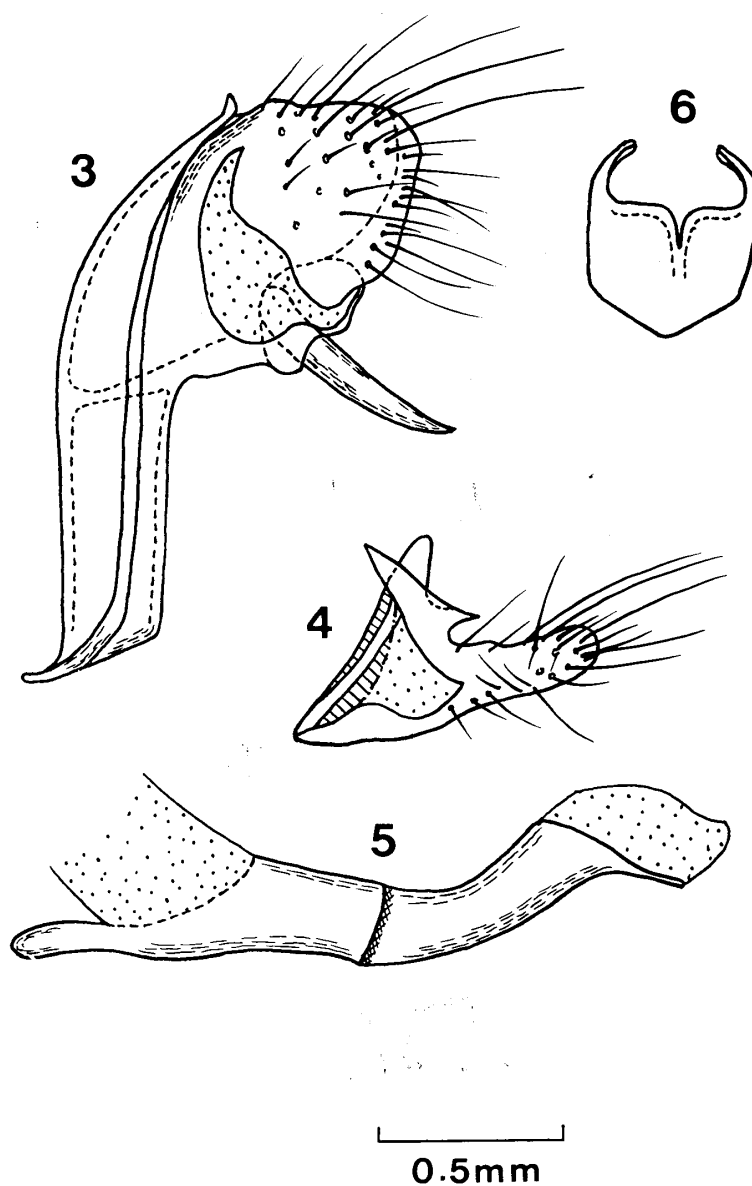
♀. Unknown.

Distribution: Mindanao

Holotype ♂, Mt. Apo, Mindanao, January, 1978.

The holotype is to be preserved in the Osaka Museum of Natural History.

The present new species apparently belongs to *eumolphus* sub-group in both the structure of male genitalia and the underside markings. But this is easily distinguishable from the related species; *horsfieldi* Pagenstecher, *eumolphus* Cramer, *hellenore* Doherty and *staudingeri* Semper, in the following respects: 1) upperside green dull, but brighter in the latter species. 2) Black border a thread, while broader in the latter species, especially conspicuous on hindwing. 3) Powdered whitish scales on underside hindwing remarkable.

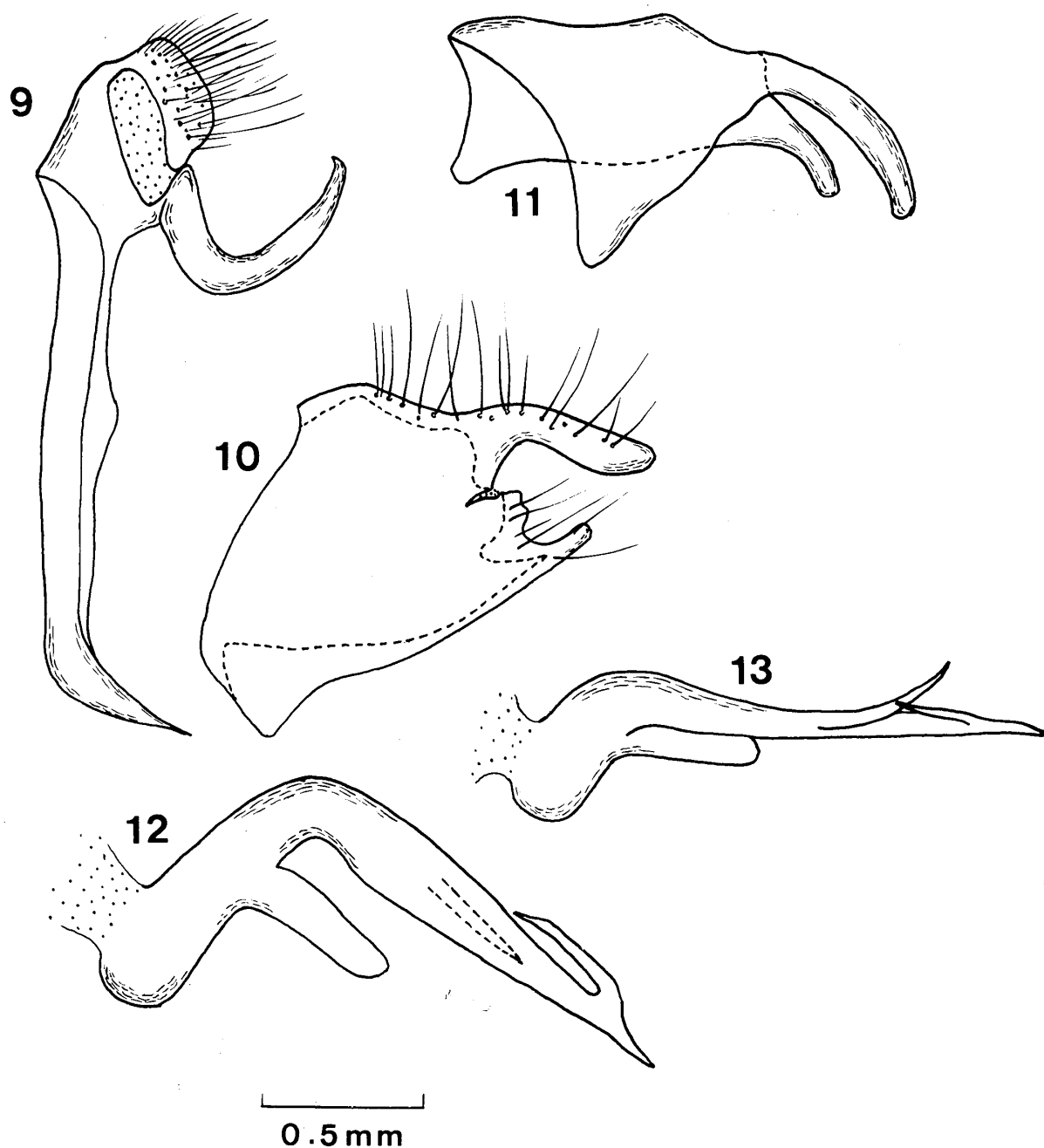


Figs. 3—6. *Narathura mizunumai* sp. nov., ♂. genitalia: (3) Lateral aspect of ring; (4) Inner aspect of right-hand valva; (5) Lateral aspect of phallus; (6) Juxta.

I name this new species after Mr. Tetsuo Mizunuma who kindly gave me the opportunity to study the material.

***Deramas tomokoae* H. Hayashi, sp. nov.** (Figs. 7-13)

♂. Upperside black with shining bluish green streaks. Forewing no blue streak at cell or triangle at cell end. Cell all black except a blue streak along cubitus. Two small blue spots in spaces 5 and 6. On hindwing the blue extends to space 4. The base of cell sparsely dusted with blue scales. Underside brown. Striae reddish brown. Hindwing subternal orange spot having reddish tinge. Cilia chequered.



Figs. 9-13. *Deramas tomokoae* sp. nov., ♂. genitalia: (9) Lateral aspect of ring; (10) Lateral and external aspect of left-hand valva; (11) Dorsal aspect of right-hand valva; (12) Lateral aspect of phallus; (13) Dorsal aspect of phallus.

Forewing length 16 mm.

Male genitalia: Valvae separated into two processes, ampulla longer, harpe short, with blunt tip, and no costal process. Phallus large, strongly bent (almost rectangular) ventrally.

♀. Unknown.

Distribution: Mindanao

Holotype ♂, Mt. Apo, Mindanao, January, 1978.

The holotype is to be preserved in the Osaka Museum of Natural History.

The present new species apparently resembles *D. livens* Distant and *D. nolens* Eliot in markings, but is different from them as follows: 1) Blue spots in spaces 5 and 6 on upperside forewing present, while no such spots in *livens*. 2) Underside ground colour reddish brown, but grey to pale buff in *nolens*. In addition the male genitalia of this new species is quite different from those of the above-mentioned species in valvae and phallus.

The specific name of this new species is dedicated to the name of my wife, who has shown me a warm understanding for my study on Rhopalocera.

Acknowledgments

I am very grateful to Mr. Tetsuo Mizunuma who offered the privilege of studying the material dealt in this paper.

摘 要

水沼哲郎氏より研究依頼のあったミンダナオ産シジミチョウより *Narathura* 属および *Deramas* 属の未知種を見出したので、ここに新種として記載した。

(林 寿一)